

**ARMY NATIONAL GUARD  
FY06 UFR'S**

**15 January 2005**

**SUBJECT:** FMTV  
**FY06 UFR:** \$5.737 Billion  
**APPN:** OPA  
**AREA OF INTEREST:** MODERNIZATION

**DESCRIPTION:** Consists of a common medium truck chassis that is used for several vehicle configurations in two payload classes. 2.5 and 5 ton medium trucks and trailers are the backbone of Army tactical maneuvers and logistics from platoon through division level.

**ISSUE JUSTIFICATION:** One of the ARNG central readiness and equipping priorities is to modernize the aged fleet of medium tactical vehicles. The trucks and trailers currently on hand in the ARNG are a minimum of 20 years old, with many in excess of 30 years old. These obsolete but still in service vehicles experience frequent breakdowns, requiring costly repairs with parts that are increasingly expensive and difficult to find. Increased ARNG OPTEMPO world-wide is rapidly consuming parts stocks while programmed Class IX funds are directed at the three more modern series of vehicles, such as the FMTV which has been in service with the Active Army for 6 years. Many of the old vehicle cabs and cargo beds are rusted through to the extent that they are not mission capable or economically repairable. Anecdotal information indicates that, at the current OPTEMPO, an LMTV will pay for itself in about 4 years with reduced O & M costs compared to the vehicles it replaces. The Family of Medium Tactical Vehicles (FMTV) will replace the large number of unsustainable/non-mission capable vehicles with a proven, cost effective and more fuel-efficient family of vehicles that share 80% of their components. FMTV's perform line haul, local haul, unit mobility and re-supply and other missions in combat, combat support, and combat service support units. The FMTV is capable of operating worldwide on primary and secondary roads and trails. FMTV's come equipped with a standard heavy-duty automatic transmission, electronic data bus, anti-lock brakes, central tire inflation system, more fuel efficient engine and an interactive electronic technical manual. An interchangeable Low Signature Armored Cab (LSAC) is now available for all models. The various trucks currently in use were built with 1960's and 70's technology which falls far behind the FMTV's performance in all measurable areas.

**PROGRAM STATUS:** Force requirement analysis based on data available in OCT 04 indicates the Army National Guard requires 39,378 FMTV's, including 10,365 trailers, to modernize its medium tactical vehicle fleet. Trailers have been under procured placing additional workload on prime movers. The ARNG currently has 4,695 FMTV's on hand, including 36 trailers and vehicles currently deployed. Of these 2,465 are ADRS, 1655 are ESP purchased, 107 are NGREA, 214 are Congressional Add and 254 were given to deploying units by DA. All 446 LMTV's delivered on the FY-04 ESP contract were redirected to deploying units. For the current year (FY-05) 940 FMTV's are scheduled for delivery with 271 ear-marked to fill critical shortages in deploying units. In FY-06 through 09 the ARNG is programmed to receive 1869 FMTV's. The resulting shortage of 31,871 vehicles in the ARNG leaves an equal number of out-dated and high cost vehicles in the field. The estimated total cost to complete this modernization is \$5.737B. Excess production capacity exists for both trucks and trailers. The current contract has reduced unit cost by approximately 15%.

**IMPACT OF FUNDING THE CAPABILITY:** Fully funding this system will allow the Army National Guard to deploy and operate within the digital network-centric Army. Additionally, this long awaited modernization will give ARNG units the necessary capability and compatibility as the Army transforms and deploys. The FMTV will provide more sustainable, rapid and reliable mobility with increased hauling capability at a lower operational cost than the existing equipment.

Failure to fund the FMTV program will increase risk to the soldiers operating and supported by this fleet, and will seriously degrade the ARNG's ability to perform its federal and state missions.  
**(Include for internal ARNG coordination/use only)**

**SUBJECT:** FMTV

**APPN:** OPA

**APE:**

**MDEP:** FPJB

**MDEP TITLE:**

**DAMO-ZR 1-N List Priority Number:**

**Division Priority:**

**Functional POC:** MAJ Ebhardt **Div:** ARQ-E **Tel:** 607-7849

**Approval Authority:** COL Moore/ NGB-ARQ / 703-607-7804

\$	FY05	FY06	FY07	FY08	FY09
Validated Requirement					
Un-validated Requirement	0	0	0	0	0
Total Requirement	6.05B	5.93B	5.87B	5.86B	5.75B
Funded Amount	116.9M	63.2M	8.5M	104.7M	16.8M
Total UFR	5.93B	5.87B	5.86B	5.75B	5.737B

**ANALYSIS:** Based on RDD & DA G-8 FD Managed LIN unit cost of \$180k each average.

FMTV	Current Vehicle
• Heavy Duty Automatic Transmission	• Standard Transmission
• Anti-lock brakes	• Standard brakes
• 12,000 lb Towing Capacity	• 6000 lb Towing capacity
• Fuel- Diesel, JP4, JP8	• Fuel- Diesel
• Low Maintenance w/warranty	• High Maintenance w/limited parts available
• Lower Fuel Consumption & EPA Compliant	• Higher Fuel Consumption & not EPA Compliant
• Higher Horsepower	• Lower Horsepower
• One Contractor	• Multiple Contractors
• Deployable and sustainable	• Less deployable, difficult & costly to sustain
• Greatly reduced O & M costs	• Higher and Increasing O & M costs

**\*Note:** Changes in requirements and unit costs due to the on-going design of the Modular Force require this information paper be updated periodically. Next analysis and update will occur in early March 05.